Method: projects.locations.models.deploy

Deploys a model. If a model is already deployed, deploying it with the same parameters has no effect. Deploying with different parametrs (as e.g. changing

[node_number]
[google.cloud.automl.v1beta1.ImageObjectDetectionModelDeploymentMetadata.node_number]
will reset the deployment state without pausing the model's availability.

Only applicable for Text Classification, Image Object Detection , Tables, and Image Segmentation; all other domains manage deployment automatically.

Returns an empty response in the **response**
 (https://cloud.google.com/vision/automl/object-
detection/docs/reference/rest/v1beta1/projects.locations.operations#Operation.FIELDS.response)
field when it completes.

HTTP request

```
POST https://automl.googleapis.com/v1beta1/{name}:deploy
```

Path parameters

Parameters	
name	string Resource name of the model to deploy. Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**: • `automl.models.deploy`

Request body

The request body contains data with the following structure:

JSON representation

```
{

  // Union field model_deployment_metadata can be only one of the following:
  "imageObjectDetectionModelDeploymentMetadata": {
    object (ImageObjectDetectionModelDeploymentMetadata (https://cloud.google.com/vision/aut
  },
  "imageClassificationModelDeploymentMetadata": {
    object (ImageClassificationModelDeploymentMetadata (https://cloud.google.com/vision/auto
  },
  "imageSegmentationModelDeploymentMetadata": {
    object (ImageSegmentationModelDeploymentMetadata (https://cloud.google.com/vision/automl
  }
  // End of list of possible types for union field model_deployment_metadata.
}
```

Fields

Union field **model_deployment_metadata**. The per-domain specific deployment parameters. **model_deployment_metadata** can be only one of the following:

imageObjectDetectionModelDeploymentMetadata	object (**ImageObjectDetectionModelDeploymentMetadata** (https://cloud.google.com/vision/automl/object-detection/docs/reference/rest/v1beta1/projects.locations.models/deploy #ImageObjectDetectionModelDeploymentMetadata)) Model deployment metadata specific to Image Object Detection.
imageClassificationModelDeploymentMetadata	object (**ImageClassificationModelDeploymentMetadata** (https://cloud.google.com/vision/automl/object-detection/docs/reference/rest/v1beta1/projects.locations.models/deploy #ImageClassificationModelDeploymentMetadata)) Model deployment metadata specific to Image Classification.

Fields	
imageSegmentationModelDeploymentMetadata	object (ImageSegmentationModelDeploymentMetadata (https://cloud.google.com/vision/automl/object-detection/docs/reference/rest/v1beta1/projects.locations.models/deploy#ImageSegmentationModelDeploymentMetadata)) Model deployment metadata specific to Image Segmentation.

Response body

If successful, the response body contains an instance of Operation (https://cloud.google.com/vision/automl/object-detection/docs/reference/rest/v1beta1/projects.locations.operations#Operation)
.

Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

ImageObjectDetectionModelDeploymentMetadata

Model deployment metadata specific to Image Object Detection.

JSON representation
```{ "nodeCount": string }```

Fields

Fields	
nodeCount	`string (`<u>`int64`</u>` (https://developers.google.com/discovery/v1/type-forma` `format)` Input only. The number of nodes to deploy the model on. A node is an abstr machine resource, which can handle online prediction QPS as given in the r [qps_per_node] [google.cloud.automl.v1beta1.ImageObjectDetectionModelMetadata.qps_ Must be between 1 and 100, inclusive on both ends.

ImageClassificationModelDeploymentMetadata

Model deployment metadata specific to Image Classification.

JSON representation

``
{
  "nodeCount": string
}
``

Fields	
nodeCount	`string (`<u>`int64`</u> `(https://developers.google.com/discovery/v1/type-format)` `format)` Input only. The number of nodes to deploy the model on. A node is an abstraction of a machine resource, which can handle online prediction QPS as given in the model's <u>nodeQps</u> (https://cloud.google.com/vision/automl/object-detection/docs/reference/rest/v1beta1/projects.locations.models#ImageClassificationModelMetadata.FIELDS.node_qps) . Must be between 1 and 100, inclusive on both ends.

ImageSegmentationModelDeploymentMetadata

Model deployment metadata specific to Image Segmentation.

JSON representation

```
{
  "nodeCount": string
}
```

Fields	
nodeCount	string (int64 (https://developers.google.com/discovery/v1/type-forma format) Input only. The number of nodes to deploy the model on. A node is an abstr a machine resource, which can handle online prediction QPS as given in the [qps_per_node] [google.cloud.automl.v1p1beta.ImageSegmentationModelMetadata.qps_ Must be between 1 and 100, inclusive on both ends.